

古澤 潔 夫： シホガマギク 屬の解説 (7)

Isao HURUSAWA : Genus *Pedicularis* (7)

VII. Sect. **Hypo-orthorrhynchae** (Prain) Bonati in Mém. Soc. Bot. Fr. 18: 26 (1919)—sect. *Cyclophyllum* Bunge pr.-part. i. e. quoad b. (pro serie) *Breviostres* Bunge tantum.—series *Verticillatae* Steven sensu Benth. (1846) quoad subser. *Breviostres* Benth. (excl. *P. abrotanifolia*)—tribus *Verticillatae* series *Myriophyllae* Maxim. (1877)—sect. *Rhyncholophae* D. *Hyorthorrhynchae* Prain (1890) — sect. *Rhyncholophae-verticillatae* Limpricht (1924).

Subsect. 1. **Myriophyllae** Maxim. loc. cit. 10: 89 (1877) pr. part. i. e. excl. *P. crasirostris* et *P. longicaulis*.

Pedicularis myriophylla Pallas, Itin. 3: Append. 737, no. 99 (1776); Voyage, 4: 472, 650. et Append. 703. no. 99 (1793) cum tab. 28, fig. 1; Maxim. op. cit. 12: 858. no. 124 (1888) cum tab. 2, fig. 91.

var. **Tatarinowii** (Maxim.) Hurusawa, stat. nov. (et paulum emend.) *P. Tatarinowii* Maxim. op. cit. 10: 92 (1877); op. cit. 12: 858. tab. 5, fig. 83 (1888)—*P. myriophylla* (non Maxim.) Limpricht in Fedde, Repert. Beih. 12: 485 (1922) de planta ex prov. Shansi, mt. Da-Wu-tai shan.

Planta wutaiensis flores purpureos habet, sed ex affini varietate, *P. myriophylla* var. *purpurea* Bunge, planta mongolica, differt galea labio longiore, rostro elongato (longiore quam in *P. Tatarinowii* Maxim. sensu stricto ex figura supra citata). Cl. Maximowicz olim *P. Tatarinowii* distinxit a *P. myriophylla* in clavi, ut sequitur: Labium parvum galea brevius, rostrum breve (*P. myriophylla*), Labium amplum galea longius, rostrum gracile longiusculum (*P. Tatarinowii*). Sed characteres hic tributi valent intra speciem propriam stabiliendam haud sufficientes, et habet sese *P. Tatarinowii* ad *P. myriophyllam* conjugenda.

Nom. Jap. *Togashi-shiogama*.

Specim. examin. China, prov. Shansi, mt. Wu-tai-shan. (M. Togashi, no. 823. Jul. 1942)

Pedicularis Chamissonis Steven in Mém. Soc. Nat. Mosc. 6: 20. tab. 4, fig. 1 (1823).

var. (an typica) **Maximowiczii** (Nakai) Kudo, Fl. Paramushir. 156 (1922) —*P. japonica* Miquel var. *Maximowiczii* Nakai in Bot. Mag. Tokyo 23: (99) (1909)

Nom. Jap. *Yezo-yotsuba-shiogama*

var. **japonica** (Miquel) Maxim. opp. cit. 10 : 90 (1877) — *P. japonica* Miquel, Prolusio Fl. Jap. 53 (1866)

Nom. Jap. *Yotsuba-shiogama*.

var. **Fauriei** (Bonati) Hurusawa, stat. nov. — *P. Fauriei* Bonati in Bull. Acad. Geogr. Bot. 12 : 518. (1903).

Nom. Jap. Hakkoda-(yotsuba-) shiogama.

Subsect. 2. **Pseudo-rostratae** Limpricht in Fedde, Repert. 20 : 243 (pro serie) (1924) — series *Pseudo-caespitosae* Prain plus series *Pseudo-asplenifoliae* Prain (1890).

Subsect. 3. **Coniferae** Maxim. in Hemsley in Jour. Linn. Soc. 26 : p.206 (pro serie) (1890).

Subsectiones praecedentes ut sequuntur distinguendae.

i) Tubus corollae satius elongatus cylindricus. Rostrum galeae crassatum (ut in *P. crassirostri*) brevius etiam in una eademque specie interdum haud distinctum.

.....Subsect. *Pseudo-rostratae*.

i) Tubus corollae brevior calyce tecturatus. Rostrum galeae porrectum.ii

ii) Galea in rostrum fronte subhorizontali porrectum fere rectum continua.

.....Subsect. *Coniferae*.

ii) Galea aut breviter aut longius rostrata, rostro deorsum oblique vel subvertically porrecto.Subsect. *Myriophyllae*.

VIII. Sect. **Siphonantha** Bunge in Ledebour, Fl. Ross. 3 : fasc. 9, 268 276 (1847—50), emend. (*sensu amplific.*) — Series *Siphonanthae* Benth., Scroph. Ind. 53 (1835); in DC. 10 : 564 (1846); Maxim. loc. cit. 10 : 80 (1877) et 12 : 779, 784 (ut Tribus *Longirostres*, *Siphonanthae*) (1888), excl. series *Polyphyllae* Maxim. — Subgenus *Longirostres* (Maxim.) sect. *Siphonanthae* (Benth.) Steininger in Bot. Centralbl. 28 : 247 (1886), nom. tantum — Divisio *Longirostres* sect. *Siphonanthae* Prain loc. cit. 67 (1890) quoad A. *Eusiphonanthae* Prain tantum (i. e. excl. B. *Brevitubae* Prain et C. *Oppositifoliae* Prain.) ; Bonati loc. cit. 11 (1910); Limpricht loc. cit. 248 (1924).

Tria subsectiones distinguendae.

Caulis erectus paucifolius sursum foliis pauperatis radicalibus numerosis caespitosis longe petiolatis. Calyx 5-dentatus (in serie *Rhinanthoides*) vel 2-3-dentatus (in serie *Longiflorae*). Inflorescentia spicata.Subsect. *Rhinanthoides*.

Caulis diffusus ramosus ramis prostratis, foliis caulinis alternis numerosis.

Calyx 5-dentatus. Flores axillares solitarii.....Subsect. *Musciolae*.

Planta nana caule valde abbreviato (scapo florifero excepto) vulgo subaerulis.

Calyx 5-dentatus.....Subsect. *Pseudo-acaulis*.

Subsect. **Rhinanthoides** Hurusawa, subsect. nov.

Erectae elatae interdum humiles, caulibus simplicibus foliis basi numerosioribus sursum sensim paucioribus praeditis, foliis radicalibus numerosissimis caespitosis longe petiolatis circumscriptione laminae oblongis vel lanceolatis pinnatisectis segmentis ovatis ad oblongis margine serrulatis.

Calyx 2-dentatus interdum summo segmento brevior lanceolato subintegro 3-dentatus (rarissime 5-dentatus). Corollae tubus calyce multi-plo longior.....Series *Longiflorae*.

Calyx ad normam 5-dentatus, segmentis, summo angustior subintegro excepto, ovatis inciso-dentatis subfoliaceis. Corollae tubus calyce diplo longior.....Series *Rhinanthoides*.

Calyx 5-dentatus, segmentis aequilibus vel interdum postico reliquis minore omnibus margine serrulatis. Corollae tubus calyce diplo vel magis longior. Labii lobus medius reliquis nimis angustior.....Series *Megalanthae*.

Series **Rhinanthoides** Prain loc. cit. 67 (1890) — Series *Siphonanthae typicae* Maxim. loc. cit. 12 : 779, 785 (1888), pro parte.

Pedicularis rhinanthoides Schrenk in Fischer et Meyer, Pl. Nov. 1 : 22 (1841)

var. **labellata** (Jaquemont) Prain loc. cit. 110 (pro subsp.) — *Pedicularis labellata* Jaquemont ex Decaisne in Voy. Bot. 117 (1844) — *Pedicularis siphonantha* Hooker fil. Fl. Brit. Ind. 4 : 313 (1884), non D. Don (Prodr. Fl. Nepal. 95) (1825) — *Pedicularis rhinanthoides* sensu Hooker fil. loc. cit. 314 (1883), excl. syn. — *Pedicularis Biondiana* Diels in Engler's Bot.-Jahrb. 29 : 571 (1900).

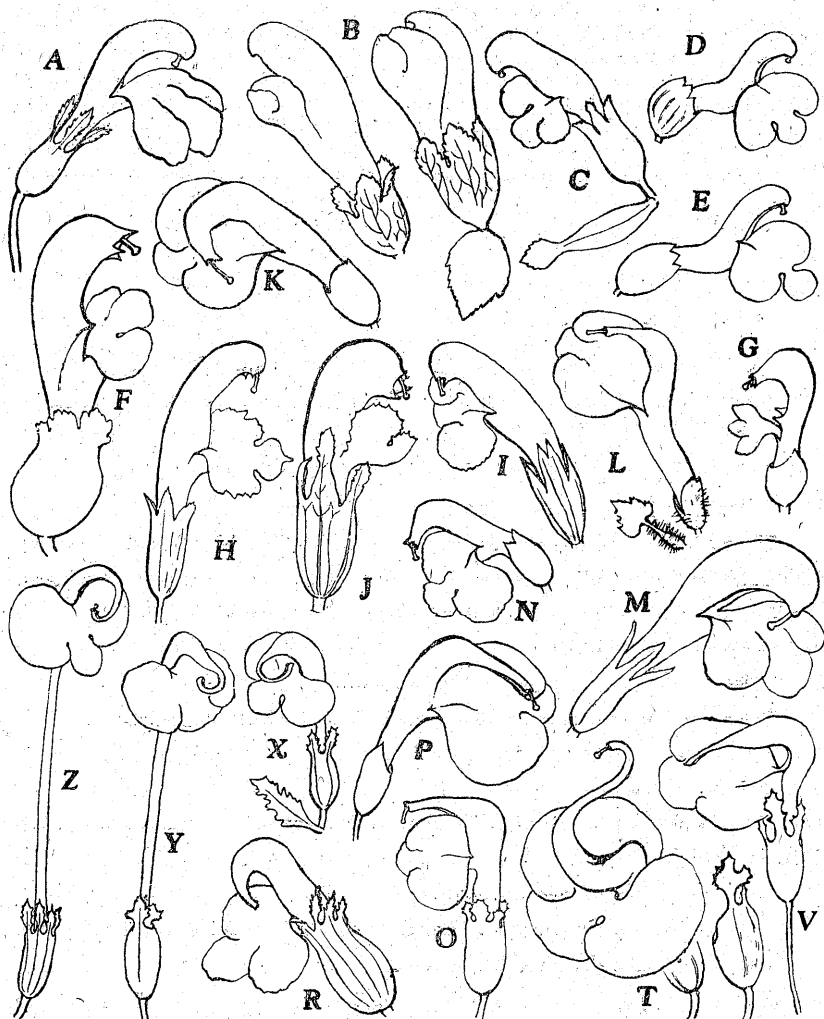
Nom. Jap. *Karakusa-shiogama* (nov.).

Specim. examin. China, prov. Shansi, mt. Wu-tai-shan (M. Togashi, 23. Jul. 1942).

Series **Longiflorae** Prain loc. cit. 67 (1890) — Series *Siphonanthae* Benth. loc. cit. 53 sensu stricto (1835) — Series *Siphonanthae typicae* Maxim. loc. cit. pro parte.

Pedicularis armata Maxim. loc. cit. 10 : 86 (1877) et 12 : 794 (1888)

var. **chinensis** Maxim. loc. cit. 10 : 87 (1877) et 12 : 796 (1888) (pro specie



圖の説明 各群の花の型

- A. Anodon-Acaules-Typus. (*P. Artseltzeri*) ハガクレシネガマ亞節の型 B. Anodon-Grandiflorae-Typus. (*P. Scephium-Carolinum*) ハタザヲシネガマ亞節の型 C. Anodon-Lanatae-Typus. (*P. Oederi*) キバナシネガマ亞節の型 D. Metanodontae-Typus. Cyclophylla-Typus. (*P. verticillata*) タカネシネガマ亞節の型 E. Metanodontae-Cyclophylla-Typus. (*P. refracta*) F. Lophiodon-Palustres-Typus (*P. palustris*) サハシネガマ亞節の型 G. Lophiodon-Palustres-Typus. (*P. sachalinensis*) キバナシネガマ亞節の型 H. Anodon-Lanatae-Typus. (*P. Langsdorffii*) I. Lophiodon-Striatae-Typus. (*P. striata*) クシバナシネガマ亞節の型 J. Lophiodon-Comosae-Typus. (*P. sudetica*) ヤチシネガマ亞節の型

K. Rhyncholopha-Resupinatae-Typus. (*P. resupinata*) シノガマギク亜節の型 L. Rhyncholopha-Resupinatae-Typus. (*P. umbrosa*) M. Rhyncholopha-Eurhyncholophae-Typus. (*P. tristis*) キバナヒメシノガマ亜節の型 N. Rhyncholopha-Eurhyncholophae-Typus. (*P. lapponica*) O. Rhyncholopha-Rostrae-Typus. (*P. Potanini*) P. Axillares-Keiskeanae-Typus. (*P. Keiskei*) セリバシノガマ亜節の型 R. Hypoorthorrhynchae-Myriophyllae-Typus. (*P. Tatarinowii*) トガシシノガマ亜節の型 T. Tibeticae-Tibeticae-Typus. (*P. torta*) シセンシノガマ亜節の型 V. Axillares-Keiskeanae-Typus. (*P. axillaris*) セリバシノガマ亜節の型 X. Siphonantha-Rhinanthoides-Typus. (*P. rhynanthoides*) カラクサシノガマ亜節の型 Y. Siphonantha-Rhynanthoides-Typus. (*P. armata* var. *chinensis*) キセルシノガマ亜節の型 Z. Siphonantha-Muscicolae-Typus. (*P. muscicola*) ツルシノガマ亜節の型

propria)

Nom. Jap. *Kiseru-shiogama* (nov.).

Specim. examin. China, prov. Shansi, mt. Wu-tai-shan. (M. Togashi, 29. Jul. 1942); prov. Chahar, Hsiao-wutai-shan. (Y. Nagai, anno 1914); ibidem. (Y. Takenaka, Aug. 1938)

Series **Megalanthae** Prain loc. cit. 68 (1890).

Subsect. 2. **Muscicolae** Hurusawa, subsect. nov.

Plantae diffusae caule ramoso, ramis procumbentibus hirsutis aut densa aut sparsa obtectis, foliis caulinis numerosis alternantibus. Flores axillares subsolitarii. Calyx 5-dentatus, dentibus inciso-denticulatis vel minute serrulatis. Corollae tubus valde elongatus.

Rostrum galeae elongatum circinnatum.....Series *Muscicolae*.

Galea erostrata erecta apice obtusiuscula.....Series *Pseudo-erostres*.

Series **Muscicolae** Maximowicz loc. cit. 12 : 779, 797 (1888), emend. (*sensu stricto*).

Pedicularis muscicola Maximowicz loc. cit. 10 : 84 (1877) et 12 : 798 (1888).

Nom. Jap. *Tsuru-shiogama* (nov.).

Specim. examin. China, prov. Shansi, mt. Wu-tai-shan. (M. Togashi, Jul. 1942); ibidem. (M. Takahashi, Jul. 1943).

Series **Pseudo-erostres** Hurusawa, series nov. — Series *Siphonanthae* Benth. loc. cit. pro parte. — Series *Siphonanthae typicae* Maxim. loc. cit. pro parte. — Series *Muscicolae* sensu Prain loc. cit. pro parte.

Habitu seriem *Muscicolas* simulans sed galea erostrata (nec rostro elongato circinnato ut in serie *Muscicolis* nec sigmoideo porrecto ut serie *Longifloris* praedita) insignis.

Typus : *Pedicularis Perrottetii* Benth.

Pedicularis Perrottetii Benth. in DC., Prodr. 10 : 565 (1846)

Subsect. 3. **Pseudo-acaules** Hurusawa subsect. nov.

Plantae nanae sub-acaules, foliis radicalibus caespitosis, ex axillis flores solitarii obtusi caespitosi evadentes. Calyx 5-dentatus, dentibus, postico minore excepto, supparibus ovato-flabellulatis obtuso-serrulatis.

Series **Pumiliones** Prain loc. cit. 69 (1890).

Series **Parvifoliae** Limpricht loc. cit. 254 (1924). Duae series supra citatae hic continentur.

Typus subsectionis : *Pedicularis bella* Hooker fil.

IX. Sect. **Axillares** Hurusawa sect. nov. — Series *Graciles* Maxim. loc. cit. 10 : 80. (1877), pro parte. — Series *Axillares* Maxim. loc. cit. 12 : 780, 819 (1888) pro maiore parte, et plus Series *Temuirostres* Maxim. loc. cit. pro minore parte — Subgenus *Longirostres* (Maxim.) Steininger loc. cit. 28 : 247 (1886), nomen tantum, pro parte (?) — Sect. *Orthorrhynchae* C. *Axillares* Prain loc. cit. 73 et plus Sect. *Siphonanthae* C. *Oppositifoliae* Prain loc. cit. 70 (1890) — Sect. *Orthorrhynchae* D. *Siphonanthoideae* Limpricht loc. cit. 264 (1924) — Series *Fallaces* Bonati loc. cit. 19 (1910) pro parte, quoad *P. Keiskei* et *P. Franchetiana*.

Caulis vulgo tenuis procumbens vel ascendenti-erectus elatus raro humilis (sic ut series *Longipedes*) interdum ramosus, foliis oppositis raro alternis intermixtis. Flores axillares solitarii vel remotiuscule racemosi breves, vel saepius longi, petiolati, bracteis petiolatis foliaceis. Corollae tubus quam in sect. *Siphonanthis* nimis brevior calyce subaequilongus vel ad summum diplo longior, instar potius sectionis *Orthorrhyncharum*. Galeae rostrum fronte porrectum rectiusculum versus apicem attenuatum. Calycis haud fissi vel interdum antice fissi, 5-dentati vel 3-rarissime 2-dentati segmenta forma variabilia; ovata vel lanceolata inciso-denticulata vel interdum breviter triangularia integrae.

Foliis, etsi generatim oppositis, nonnumquam aut pro lusu alternis aut ternatim verticillatis ad sect. *Siphonanthas* vel sect. *Orthorrhynchas* vergunt, inflorescentia autem laxa racemosa floribus subsolitariis axillaribus interrupta differunt utrumque ab ambabus sectionibus, ubi floribus continuis inflorescentia racemosa vel spicata apparet.

Rostro galeae recto sive circinnato ut sequuntur in duas subsectiones tribuendae.

Galeae rostrum rectum in galeam gracilem rectangulo-transiens labio amplo

brevius vel illud ferè aequans. Flores axillares, superioribus plus minus condensatis, remotiusculi. Subsect. *Keiskeanae*.

Galeae rostrum involutum ex galea tenui sensim circinnato-abiens, hoc caractere simulque foliis in aliqua (*P. gyrorrhyncha* Fr.) ternatis, praeter opposita, intermixtis melior ad sectionem *Orthorrhynchas* appoximateae, quae autem folia rite verticillata atque inflorescentias condensas nec interruptas habent. — Subsect. *Fallax*.

Subsect. 1. **Keiskeanae** Hurusawa subsect. nov. — Series *Axillares* Maxim. loc. cit. 12 : 780, 819 (1888), pro maiore parte. — Sect. *Orthorrhynchae* C. *Axillares* sensu Prain loc. cit. 73 (1890).

Descriptio in clavi. Typus : *Pedicularis Keiskei* Fr. & Sav.

Series **Longipedes** Prain loc. cit. 74 (1890).

Series **Filicifoliae** Prain loc. cit. 73 (ut *Filicifolia*).

Series **Flexuosae** Prain loc. cit. 73.

Series **Keiskeanae** Hurusawa.

Pedicularis Keiskei Franchet & Savatier, Enum. Pl. Jap. 2 : 459 (1879) Nom. Jap. *Seriba'shiogama*.

Pedicularis Kusnetzowii Komarov in Fedde, Repert. 9 : 391 (1911)

Subsect. 2. **Fallax** Hurusawa, subsect. nov. — Sect. *Siphonanthae* C. *Oppositifoliae* Prain loc. cit. 70 (1890) — Sect. *Orthorrhynchae* series *Fallaces* Bonati in Mém. Soc. Bot. Fr. 2-2 : 19 (1910), pro minima parte. — Sect. *Orthorrhynchae* (*Longorostres Orthorrhynchae* sic) D. *Siphonanthoideae* Limpricht in Fedde, Repert. 12 : 264 (1924).

Descriptio in clavi. Cl. Maximowicz et postea cl. Prain hunc gregem in sectionem *Siphonanthas*, cl. Limpricht contra in sectionem *Orthorrhynchas* collocaverunt, sed habitu praesertim cum inflorescentia phyllotaxideque utroque ad ambabus sectionibus distinctus videtur, hic grex verum tubo corollae haud elongato, cumque folia alternantia non occurrunt, ex sect. *Siphonanthis* satis recedit potius in *Orthorrhynchas*, uti oilm cl. Limpricht disputavit, inclinat.

Tria series omnia monotypicae inter se plus diversae hic inclusae. Filamentis generatim ad apicem tubi corollae insertis insignes.

Series **Integrifolia** Prain loc. cit. 70 (1890).

Series **Gyrorrhyncha** Prain loc. cit. 70.

Series **Franchetiana** Prain loc. cit. 70.

X. Sect. **Orthorrhynchae** Prain, loc. cit. 70 (1890) emend. — Series

Verticillatae Steven (loc. cit. 20.) sensu Bentham subseries ξ 1. *Longirostres* Bentham in DC., Prodr. 10 : 560 (1846) — Tribus *Longirostres* Maximowicz series *Graciles* Maximowicz loc. cit. 10 : 80 (1877), pro parte. — Tribus *Longirostres* Maxim. 2. *Longirostres verticillatae* Maxim. loc. cit. 12 : 810 (1888), pro parte : quoad series *Tenuirostres* Maxim. pro maxima parte. — Sect *Graciles* (ut *Gracilis* Maxim.) Steininger loc. cit. 28 : 247 (1886), nomen tantum.

Subsect. 1. *Euorthorrhynchae* Prain loc. cit. 72. (1890) Series *Graciles* Prain loc. cit. 72. Series *Graciles* Maxim. loc. cit. 10 : 80. sensu reductissimo.

Series *Brevifoliae* Prain, loc. cit. 72.

Series *Debiles* Prain loc. cit. 72.

Haec series ex reliquis seriebus huius sectionis in sect. *Axillares* recedit, nam folia opposita habet, inflorescentia autem versus apicem caulis congesta, foliis caulinis inferioribus ex axillis non flores evadentibus, radicalibus numerosioribus caespitosis nec in sect. *Axillaribus* verum hoc loco collocanda.

Subsect. *Tenuirostres* (Maximowicz) Prain loc. cit. 71.

Series *Semitor-tae* Prain loc. cit. 71.

Series *Pectinatae* Prain loc. cit. 71.

(finis)

野 口 彰： 日本産蘚類の研究 (9)*

Akira NOGUCHI : Notes on Japanese Musci (9).

58) ナリタゴケ *Nanomitrium tenerum* (Bruch) Lindb. (Ephemeraeae) (Figs. 36, 37)

本種は池沼などの乾上つた泥土上に生育する微小な蘚類である、歐洲では稀少な種とされており、日本でも採集されたのは少い、筆者はまだ本種基本型の日本産のものをみていない。仙台市産のものは var. *longifolium* (Philib.) Limpr. と同定すべきもののようで、茎が極めて短くて、物体の高さは葉頂まで僅に 1.5~2 mm しかない。茎頂に数葉がかたまつてつき、葉は基本型 (Fig. 36, b) のものより長く、茎頂の葉間に埋れて、普通 1 個の子嚢が深く沈生している。葉には中肋がなく、葉縁の歯牙は著しくない。蒴胞の大きさは、径約 0.3 mm. 胞子は多数集つて團塊をなし、標本が古いためか表面の乳頭は著しくなく、径 20~23 μ あつて、歐洲産**の 27~32 μ より小さい。雌雄関

* 本研究は文部省科学研究費によつてなされたものである

** Germania : Verdoorn, Musci selecti et critici, ser. IV, no. 191.